## **Author Index**

Abdollahi, S.

Preconcentration and determination of Pb<sup>2+</sup> at an AlPO<sub>4</sub> containing carbon paste electrode 381

Ache, H.J., see Plaschke, M. 107

Aizawa, M., see Másson, M. 353

Arce, F., see Rey, F. 375

Arikawa, Y., see Yokoyama, K. 139

Arnold, M.A., see Zhou, X. 147

Bai, F., see Schulman, S.G. 165

Bauer, C.G., see Ghindilis, A.L. 25

Bechmann, I.E.

-, Nørgaard, L. and Ridder, C.

Generalized standard addition in flow-injection analysis with UV-visible photodiode array detection 229

Bier, F.F., see Ghindilis, A.L. 25

Bolyos, A., see Paneli, M. 177

Bond, A.M., see Huang, W. 1

Brinkman, U.A.Th., see Zegers, B.N. 47

Brown, M., see Chau, Y.K. 85

Burns, D.T., see Chimpalee, N. 97

Buydens, L.M.C., see Faber, N.M. 257, 273

Cabaniss, S.E., see Sutheimer, S.H. 187 Cai, Z.

-, Gross, M.L. and Spalding, R.F.

Determination of didealkylatrazine in water by graphitized carbon black extraction followed by gas chromatography-high resolution mass spectrometry 67

Cámara, C., see Martín-Esteban, A. 121

Carabias Martínez, R.

—, Rodríguez Gonzalo, E., Hernández Fernández, E. and Hernández Méndez, J.

Membrane extraction-preconcentration cell coupled on-line to flow-injection and liquid chromatographic systems. Determination of triazines in oils 323

Chau, Y.K.

-, Yang, F. and Brown, M.

Supercritical fluid extraction of butyltin compounds from sediment 85

Chen, L., see Furton, K.G. 203

Chen, Q., see Wang, J. 41

Chen, S., see Schulman, S.G. 165

Chimpalee, D., see Chimpalee, N. 97

Chimpalee, N.

—, Chimpalee, D., Srithawepoon, S., Patjarut, T. and Burns, D.T.

Flow-injection spectrophotometric determination of copper using bis(cyclohexanone)oxalyldihydrazone 97

Clark, S.A., see Nagata, R. 157

Crouch, S.R., see Hsieh, Y. 333

Czolk, R., see Plaschke, M. 107

Dams, R., see Goossens, J. 307

D'Arrigo, P.

-, Piergianni, V., Scarcelli, D. and Servi, S.

A spectrophotometric assay for phospholipase D 249

David, F., see Paneli, M. 177

De Brouwer, J.F.C., see Zegers, B.N. 47

Dimotikali, D., see Papadopoulos, K. 91

Faber, N.M.

—, Meinders, M.J., Geladi, P., Sjöström, M., Buydens, L.M.C. and Kateman, G.

Random error bias in principal component analysis. Part I. derivation of theoretical predictions 257

—, Meinders, M.J., Geladi, P., Sjöström, M., Buydens, L.M.C. and Kateman, G.

Random error bias in principal component analysis. Part II. Application of theoretical predictions to multivariate problems 273

Feng, M., see Lu, J. 369

Fernández, P., see Martín-Esteban, A. 121

Ferraco, M.J., see Sutheimer, S.H. 187

Ferreira, M.A., see Rey, F. 375

Furton, K.G.

-, Chen, L. and Jaffé, R.

Rapid determination of uranium on solid matrices by synergistic in situ chelation supercritical fluid extraction and UV absorption spectroscopy 203

Galceran, M.T.

- and Jáuregui, O.

Determination of phenols in sea water by liquid chromatography with electrochemical detection after enrichment by using solid-phase extraction cartridges and disks 75

Geladi, P., see Faber, N.M. 257, 273

Ghindilis, A.L.

—, Makower, A., Bauer, C.G., Bier, F.F. and Scheller, F.W. Determination of *p*-aminophenol and catecholamines at picomolar concentrations based on recycling enzyme amplification 25

Gjelsvik, S., see Slimestad, R. 209

Gong, B.

-, Liu, Y., Li, Z. and Lin, T.

Determination of selenium and tellurium in nickel and nickel/iron-based alloys by graphite furnace atomic absorption spectrometry with a nickel/palladium matrix modifier 115

Goossens, J.

-, Moens, L. and Dams, R.

Inductively coupled plasma mass spectrometric determination of heavy metals in soil and sludge candidate reference materials 307

Goto, T., see Kitamura, K. 101

Grahl-Nielsen, O., see Slimestad, R. 209

Gross, M.L., see Cai, Z. 67

Grung, B.

- and Kvalheim, O.M.

Retention time shift adjustments of two-way chromatograms using Bessel's inequality 57

Gutiérrez, A., see Martín-Esteban, A. 121

Hammock, B.D., see Wortberg, M. 339

Hart, J.P., see Sprules, S.D. 17

Haruyama, T., see Másson, M. 353

Henderson, T.L.E., see Huang, W. 1

Hernández Fernández, E., see Carabias Martínez, R. 323

Hernández Méndez, J., see Carabias Martínez, R. 323

Higashiura, M.

-, Uchida, H., Uchida, T. and Wada, H.

Inductively coupled plasma mass spectrometric determination of gold in serum: comparison with flame and furnace atomic absorption spectrometry 317

Hisamoto, H.

-, Siswanta, D., Nishihara, H. and Suzuki, K.

Anion selective polymeric membrane electrodes based on metallocenes 171

Hsieh, Y.

- and Crouch, S.R.

Flow reversal and flow recycle air-segmented flow injection for simultaneous determination of a binary mixture 333

Huang, W.

—, Henderson, T.L.E., Bond, A.M. and Oldham, K.B. Curve fitting to resolve overlapping voltammetric peaks: model and examples 1

Ichiki, N., see Yokoyama, K. 139

Ikariyama, Y., see Másson, M. 353

Ikebukuro, K., see Yokoyama, K. 139

Imayoshi, N., see Kitamura, K. 101

Ivaska, A., see Pravda, M. 127

Iwuoha, E.I., see Pravda, M. 127

Jaffé, R., see Furton, K.G. 203

Jáuregui, O., see Galceran, M.T. 75

Jones, G., see Wortberg, M. 339

Jouan-Rimbaud, D.

—, Walczak, B., Massart, D.L., Last, I.R. and Prebble, K.A. Comparison of multivariate methods based on latent vectors and methods based on wavelength selection for the analysis of near-infrared spectroscopic data 285

Jungar, C.M., see Pravda, M. 127

Kaláb, T.

- and Skládal, P.

A disposable amperometric immunosensor for 2,4-dichlorophenoxyacetic acid 361

Karube, I., see Nagata, R. 157

Karube, I., see Yokoyama, K. 139

Kateman, G., see Faber, N.M. 257, 273

Kitamura, K.

—, Imayoshi, N., Goto, T., Shiro, H., Mano, T. and Nakai, Y. Second derivative spectrophotometric determination of partition coefficients of chlorpromazine and promazine between lecithin bilayer vesicles and water 101

Kobatake, E., see Másson, M. 353

Kokot, S.

- and Yang, P.

Comparison of thermogravimetric and differential scanning calorimetric results for cellulosic fabrics by chemometrics 297 Král, R.

-, Sybr, M. and Plzák, Z.

Determination of iron in high-purity phosphoryl chloride by electrothermal atomization atomic absorption spectrometry 237

Kreissig, S.B., see Wortberg, M. 339

Kvalheim, O.M., see Grung, B. 57

Lanza, P.

- and Marzocchi, A.

Stoichiometry of superconducting YBa<sub>2</sub>Cu<sub>3</sub>O<sub>y</sub>A comparison of methods for the determination of the Cu(I):Cu(II) ratio 223

Last, I.R., see Jouan-Rimbaud, D. 285

Leiner, M.J.P., see Schulman, S.G. 165

Li, Z., see Gong, B. 115

Lin, T., see Gong, B. 115

Lingeman, H., see Zegers, B.N. 47

Liu, Y., see Gong, B. 115

Liu, Z., see Másson, M. 353

Lopez Molinero, A.

Erratum to "Possibilities for graphic representation of multifactor simplex optimisation" [Anal. Chim. Acta, 297 (1994) 417-425] 255

Lu, J.

-, Qin, W., Zhang, Z., Feng, M. and Wang, Y.

A flow-injection type chemiluminescence-based sensor for cyanide 369

Machado, A.A.S.C., see Rey, F. 375

Makower, A., see Ghindilis, A.L. 25

Mano, T., see Kitamura, K. 101

Martín-Esteban, A.

—, Fernández, P., Pérez-Conde, C., Gutiérrez, A. and Cámara, C.

On-line preconcentration of aluminium with immobilized Chromotrope 2B for the determination by flame atomic absorption spectrometry and inductively coupled plasma mass spectrometry 121

Marzocchi, A., see Lanza, P. 223

Massart, D.L., see Jouan-Rimbaud, D. 285

Másson, M.

—, Liu, Z., Haruyama, T., Kobatake, E., Ikariyama, Y. and Aizawa, M.

Immunosensing with amperometric detection, using galactosidase as label and p-aminophenyl- $\beta$ -D-galactopyranoside as substrate 353

Medina-Hernández, M.J., see Pérez-Martínez, I. 195

Meinders, M.J., see Faber, N.M. 257, 273

Mitsoulis, K., see Papadopoulos, K. 91

Mizutani, F., see Saby, C. 33

Moens, L., see Goossens, J. 307

Nagata, R.

—, Clark, S.A., Yokoyama, K., Tamiya, E. and Karube, I. Amperometric glucose biosensor manufactured by a printing technique 157

Nakai, Y., see Kitamura, K. 101

Ni, Y.

- and Peng, Z.

Determination of mixed metal ions by complexometric titration and nonlinear partial least squares calibration 217

Nikokavouras, J., see Papadopoulos, K. 91

Nishihara, H., see Hisamoto, H. 171

Nishimura, A., see Nukatsuka, I. 243

Nørgaard, L., see Bechmann, I.E. 229

Nukatsuka, I.

-, Nishimura, A. and Ohzeki, K.

Determination of molybdenum in sea water by solid-phase spectrophotometry 243

Ohzeki, K., see Nukatsuka, I. 243

Oldham, K.B., see Huang, W. 1

Ouguenoune, H., see Paneli, M. 177

Paneli, M.

—, Ouguenoune, H., David, F. and Bolyos, A. Study of the reduction mechanism and the adsorption properties of uranium(VI)-cupferron complexes using various electrochemical techniques 177

Papadopoulos, K.

—, Nikokavouras, J., Mitsoulis, K. and Dimotikali, D. Chemiluminescence of protected hemiaminal *N*-metho-xymethyl-*N*'-methyl-9,9'-biacridylidene in homogeneous and micellar media. Prospects for analytical applications 91

Patjarut, T., see Chimpalee, N. 97

Pedrero, M., see Wang, J. 41

Peng, Z., see Ni, Y. 217

Pérez-Conde, C., see Martín-Esteban, A. 121

Pérez-Martínez, I.

-, Sagrado, S. and Medina-Hernández, M.J.

A rapid procedure for the determination of caffeine, theophylline and theobromine in urine by micellar liquid chromatography and direct sample injection 195 Piergianni, V., see D'Arrigo, P. 249

Pittson, R., see Sprules, S.D. 17

Plaschke, M.

-, Czolk, R. and Ache, H.J.

Fluorimetric determination of mercury with a water-soluble porphyrin and porphyrin-doped sol-gel films 107

Plzák, Z., see Král, R. 237

Poppema, A., see Zegers, B.N. 47

Pravda, M.

—, Jungar, C.M., Iwuoha, E.I., Smyth, M.R., Vytras, K. and Ivaska, A.

Evaluation of amperometric glucose biosensors based on coimmobilisation of glucose oxidase with an osmium redox polymer in electrochemically generated polyphenol films 127 Prebble, K.A., see Jouan-Rimbaud, D. 285

Qin, W., see Lu, J. 369

Rev, F.

—, Machado, A.A.S.C., Arce, F., Ferreira, M.A. and Toja, A. Influence of the concentration on the conductimetric properties of a fulvic acid system 375

Ridder, C., see Bechmann, I.E. 229

Rocke, D.M., see Wortberg, M. 339

Rodríguez Gonzalo, E., see Carabias Martínez, R. 323

Saby, C.

-, Mizutani, F. and Yabuki, S.

Glucose sensor based on carbon paste electrode incorporating poly(ethylene glycol)-modified glucose oxidase and various mediators 33

Sagrado, S., see Pérez-Martínez, I. 195

Scarcelli, D., see D'Arrigo, P. 249

Scheller, F.W., see Ghindilis, A.L. 25

Schulman, S.G.

-, Chen, S., Bai, F., Leiner, M.J.P., Weis, L. and Wolfbeis, O.S.

Dependence of the fluorescence of immobilized 1-hydroxypyrene-3,6,8-trisulfonate on solution pH: extension of the range of applicability of a pH fluorosensor 165

Servi, S., see D'Arrigo, P. 249

Shiro, H., see Kitamura, K. 101

Siswanta, D., see Hisamoto, H. 171

Sjöström, M., see Faber, N.M. 257, 273

Skládal, P., see Kaláb, T. 361

Slimestad, R.

-, Gjelsvik, S. and Grahl-Nielsen, O.

Detection of effects of ozone on birch, *Betula pendula* Roth., by chemometrical evaluation of concentrations of lipid components in leaves 209

Smyth, M.R., see Pravda, M. 127

Spalding, R.F., see Cai, Z. 67

Sprules, S.D.

-, Hart, J.P., Wring, S.A. and Pittson, R.

A reagentless, disposable biosensor for lactic acid based on a screen-printed carbon electrode containing Meldola's Blue and coated with lactate dehydrogenase, NAD<sup>+</sup> and cellulose acetate 17

Srithawepoon, S., see Chimpalee, N. 97 Sutheimer, S.H.

-, Ferraco, M.J. and Cabaniss, S.E.

Molecular size effects on carboxyl acidity: implications for humic substances 187

Suzuki, K., see Hisamoto, H. 171 Sybr, M., see Král, R. 237

Tamiya, E., see Nagata, R. 157 Tamiya, E., see Yokoyama, K. 139 Toja, A., see Rey, F. 375

Uchida, H., see Higashiura, M. 317 Uchida, T., see Higashiura, M. 317

Vytras, K., see Pravda, M. 127

Wada, H., see Higashiura, M. 317 Walczak, B., see Jouan-Rimbaud, D. 285 Wang, J.

-, Chen, Q. and Pedrero, M.

Highly selective biosensing of lactate at lactate oxidase containing rhodium-dispersed carbon paste electrodes 41

Wang, Y., see Lu, J. 369

Weis, L., see Schulman, S.G. 165

Wolfbeis, O.S., see Schulman, S.G. 165

Wortberg, M.

—, Kreissig, S.B., Jones, G., Rocke, D.M. and Hammock, B.D.

An immunoarray for the simultaneous determination of multiple triazine herbicides 339

Wring, S.A., see Sprules, S.D. 17

Yabuki, S., see Saby, C. 33

Yang, F., see Chau, Y.K. 85

Yang, P., see Kokot, S. 297

Yokoyama, K.

—, Ikebukuro, K., Tamiya, E., Karube, I., Ichiki, N. and Arikawa, Y.

Highly sensitive quartz crystal immunosensors for multisample detection of herbicides 139

Yokoyama, K., see Nagata, R. 157

Zegers, B.N.

—, De Brouwer, J.F.C., Poppema, A., Lingeman, H. and Brinkman, U.A.Th.

Electron-capture detection in reversed-phase liquid chromatography using packed-capillary columns 47

Zhang, Z., see Lu, J. 369

Zhou, X.

- and Arnold, M.A.

Internal enzyme fiber-optic biosensors for hydrogen peroxide and glucose 147